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Overcoming common obstacles to achieve project efficiency using BIM

CitA Technology Trend Series

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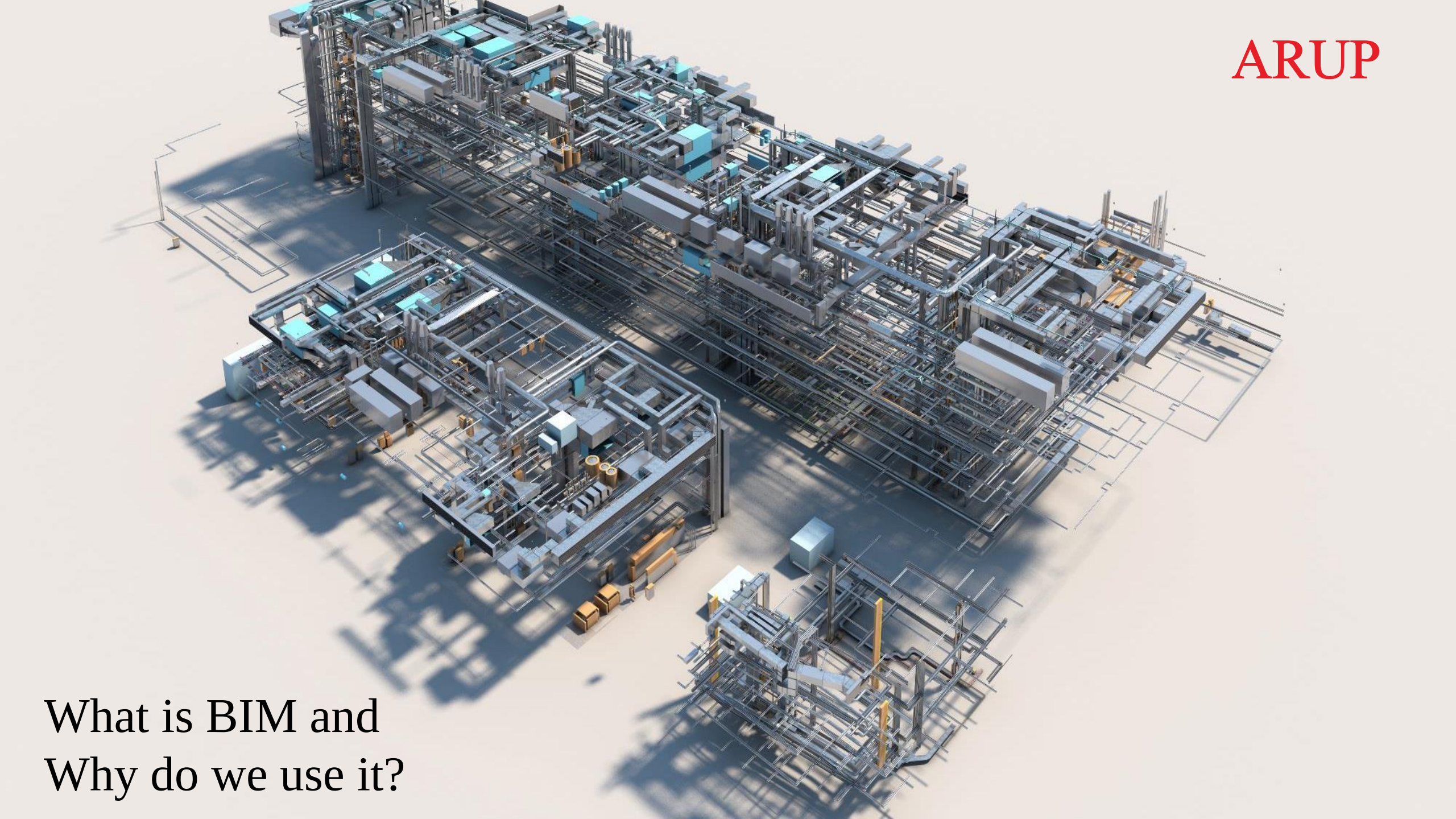

What is BIM and Why do we use it?

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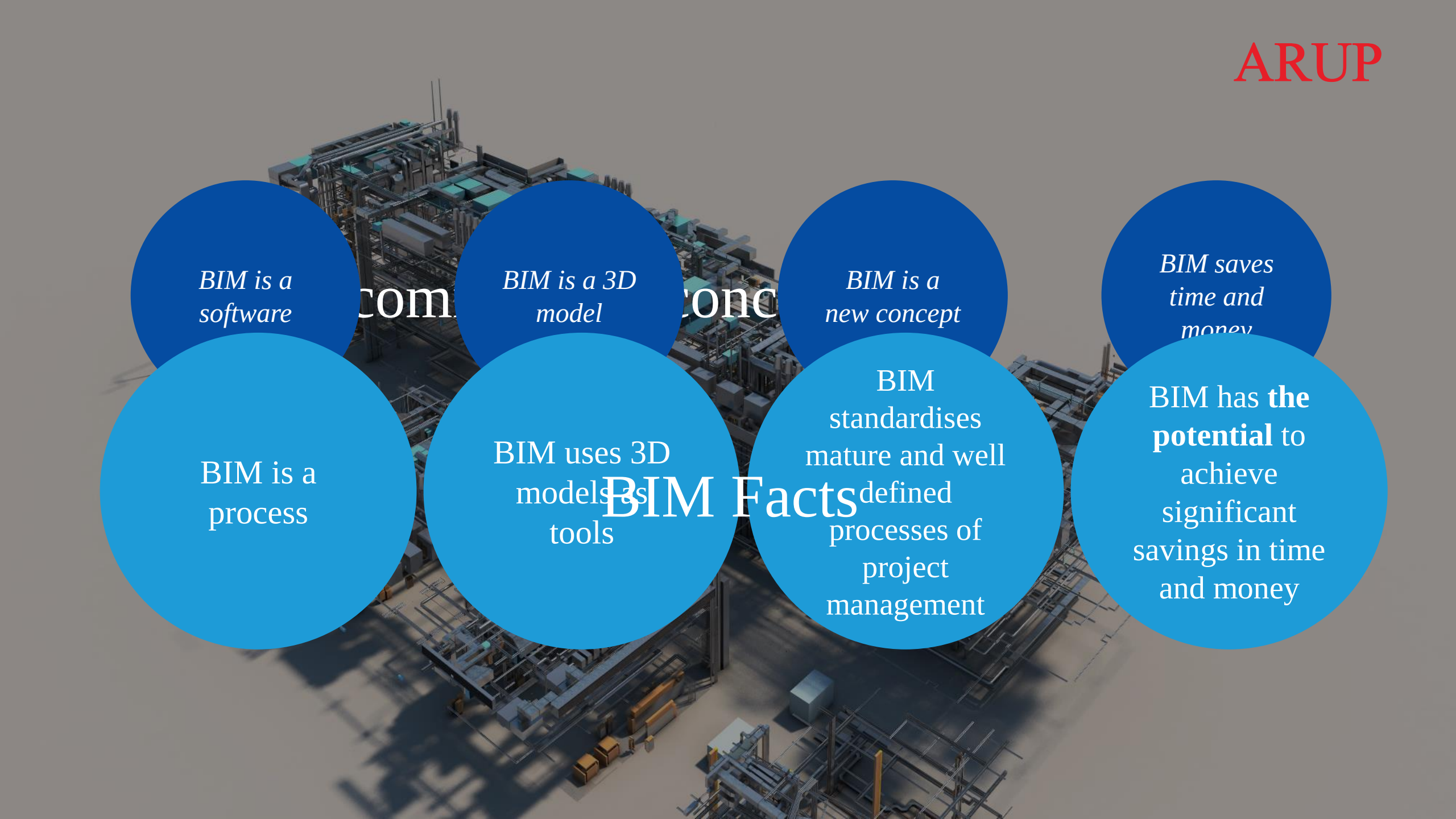

BIM is a software

BIM is a 3D model

BIM is a new concept

BIM saves time and money

BIM is a process

BIM uses 3D models as tools

BIM standardises mature and well defined processes of project management

BIM has **the potential** to achieve significant savings in time and money

BIM Facts

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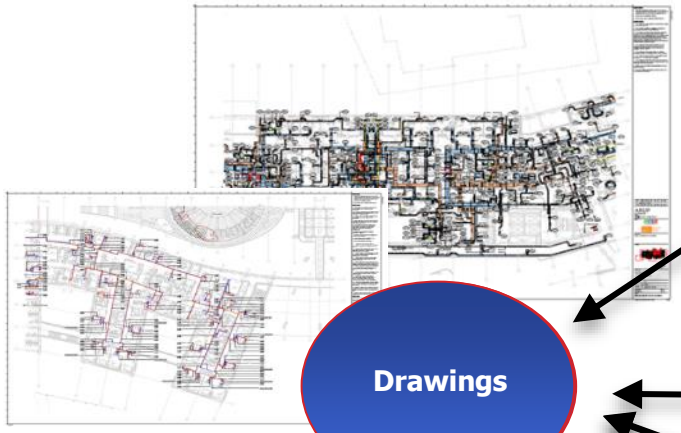
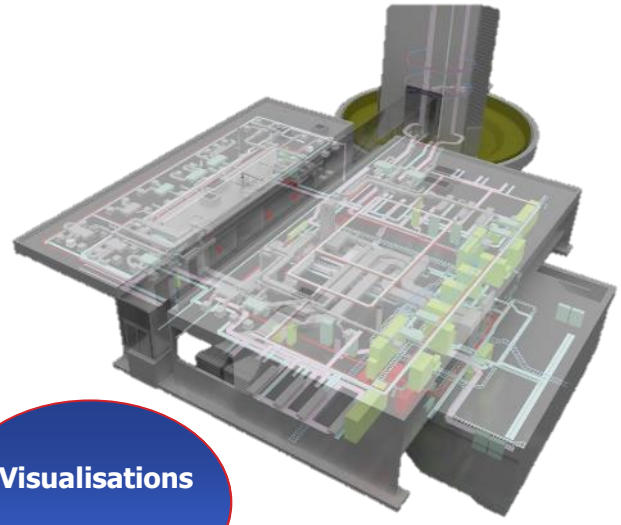
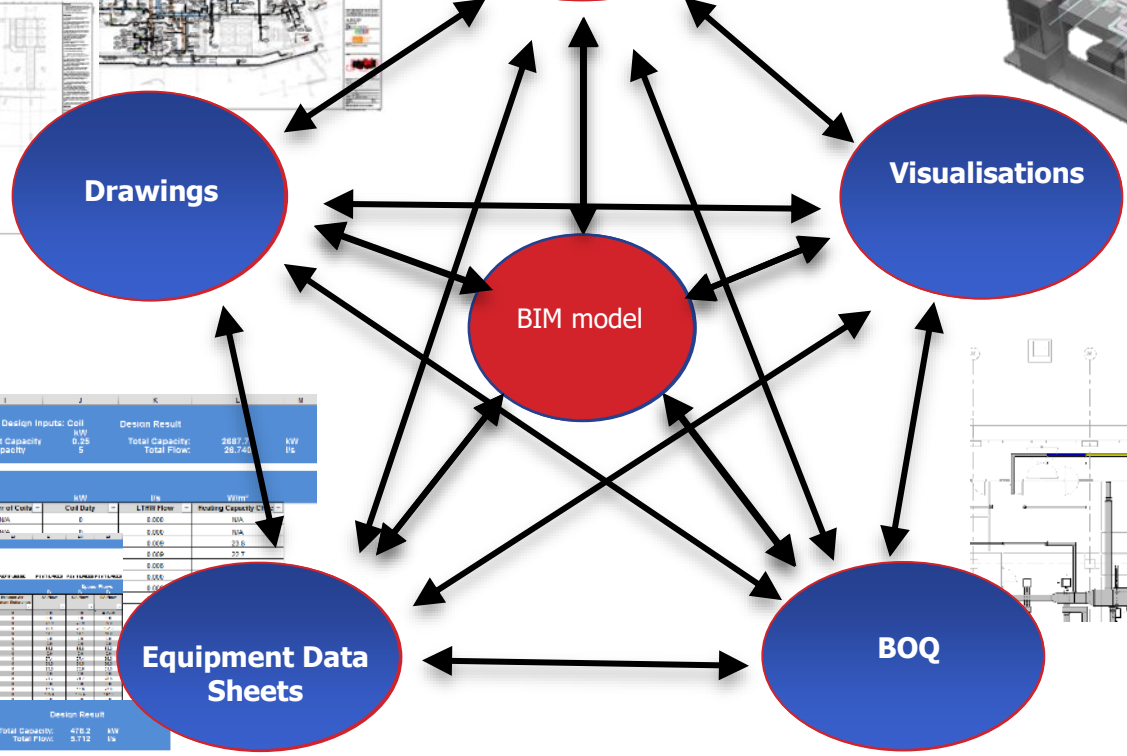
It's about Time, Cost and Quality

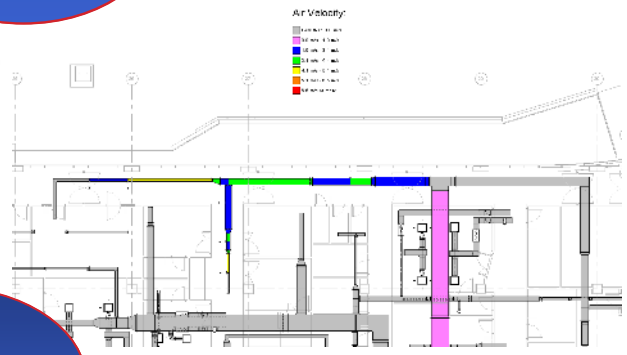
What are we actually getting out of BIM?

- ~~Time savings~~
- ~~Automation of design~~
- ~~Better coordination~~
- ~~Improved cost certainty~~
- ~~Realistic Visualisations~~
- ~~Single source of truth~~









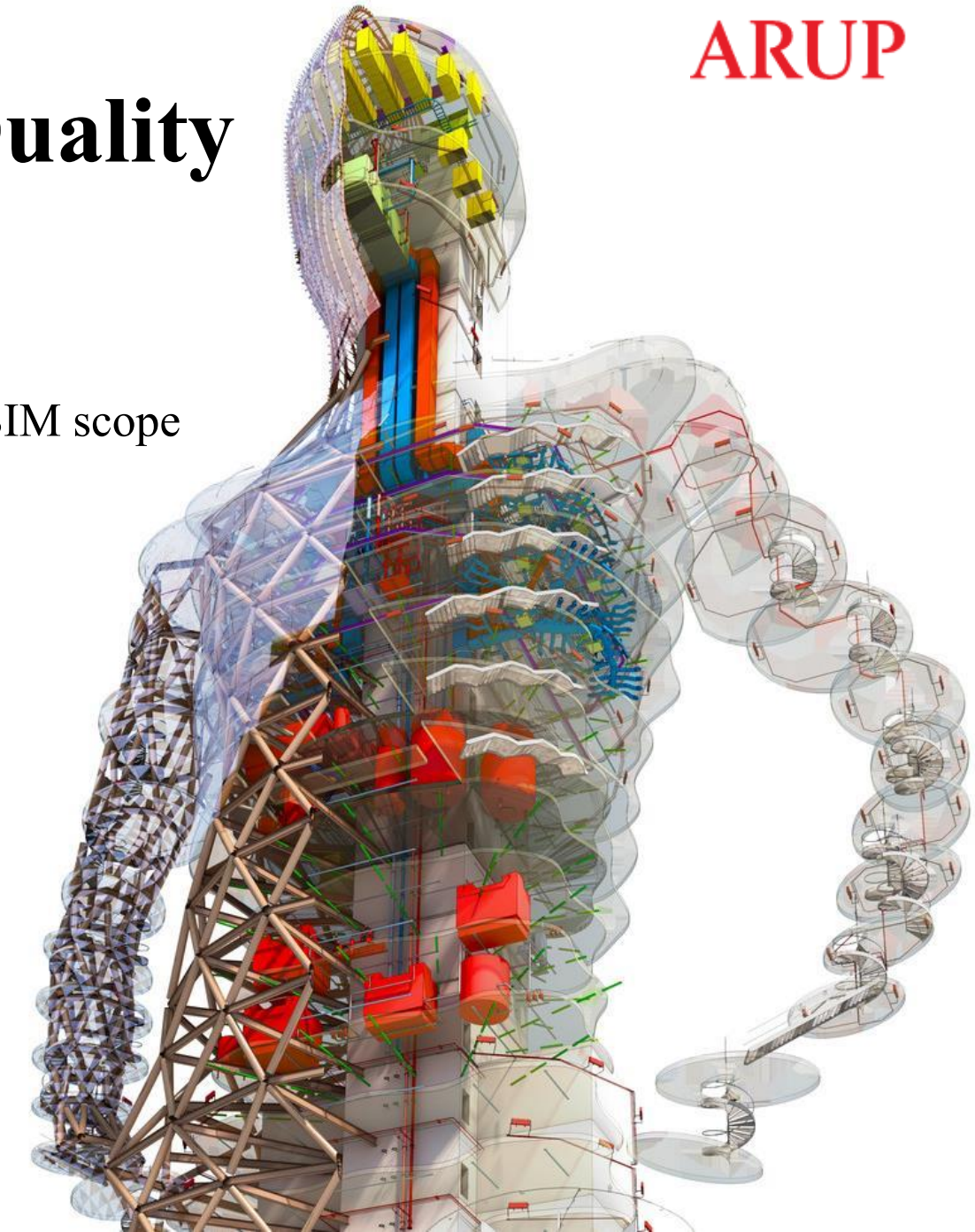
It’s about Time, Cost and Quality

Some of the common problems to achieving the benefits

“Level 2 BIM” or “BIM to ISO 19650” does not define a BIM scope

Academic BIM vs Practical BIM

Using Revit for CAD not Revit for BIM



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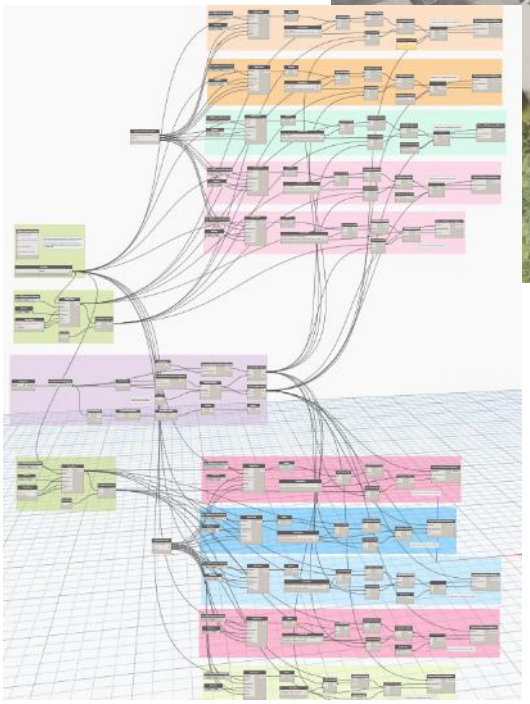
It’s about Time, Cost and Quality

How can we make the best use of BIM in construction

Clearly defining the scope of (BIM) work

Using Lean methodology

Embracing new ways of working



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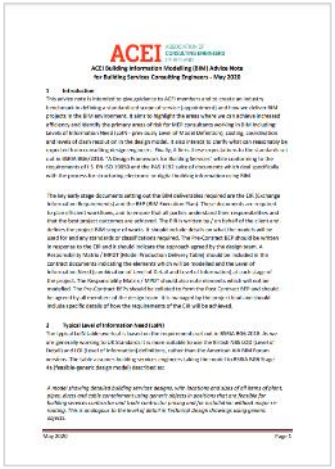
It’s about Time, Cost and Quality

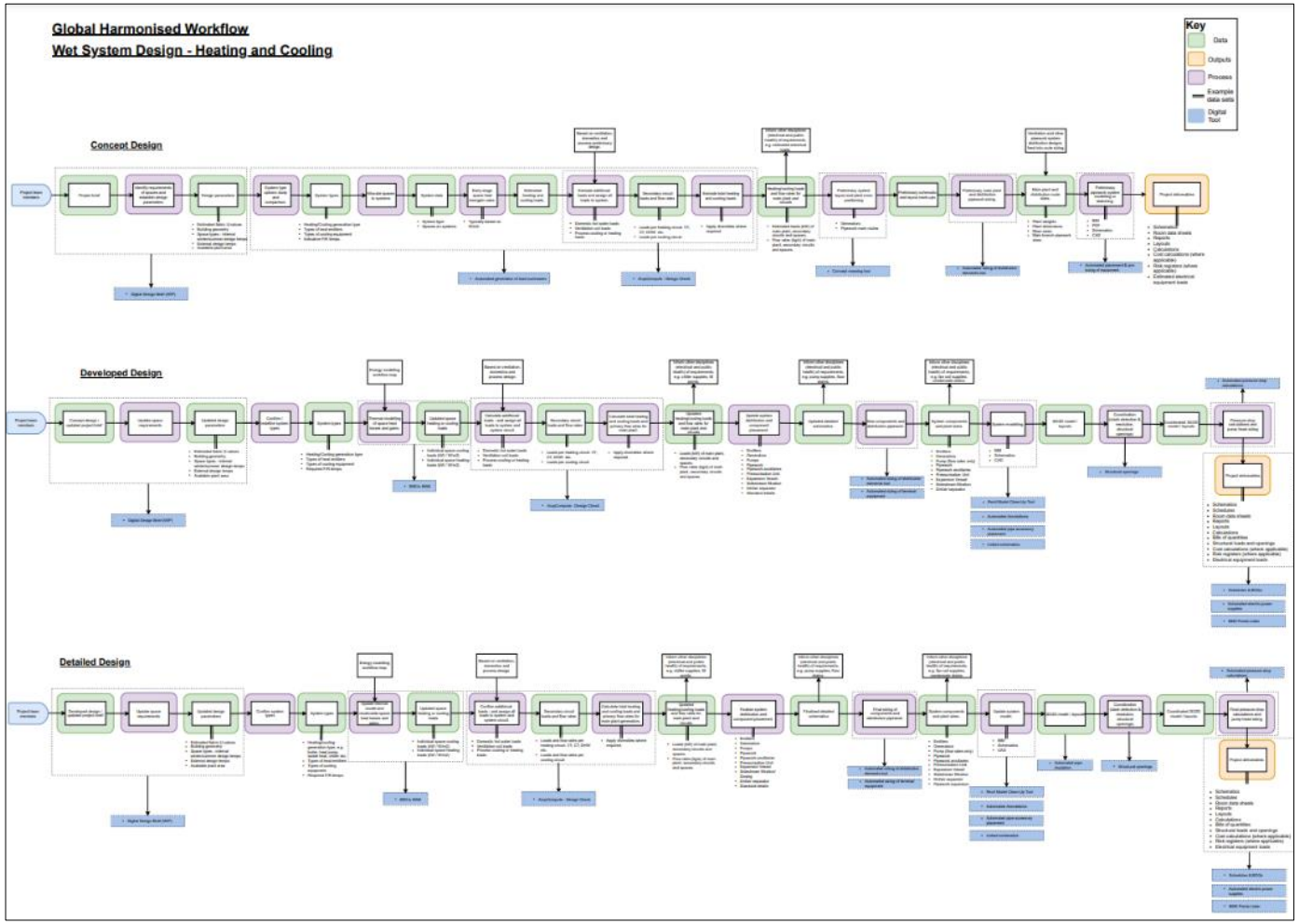
How can we make the best use of BIM in construction

Mapping workflows

Using machine readable structured data

Following agreed industry guidance:
RIAI BIM Pack / ACEI BIM Advice notes





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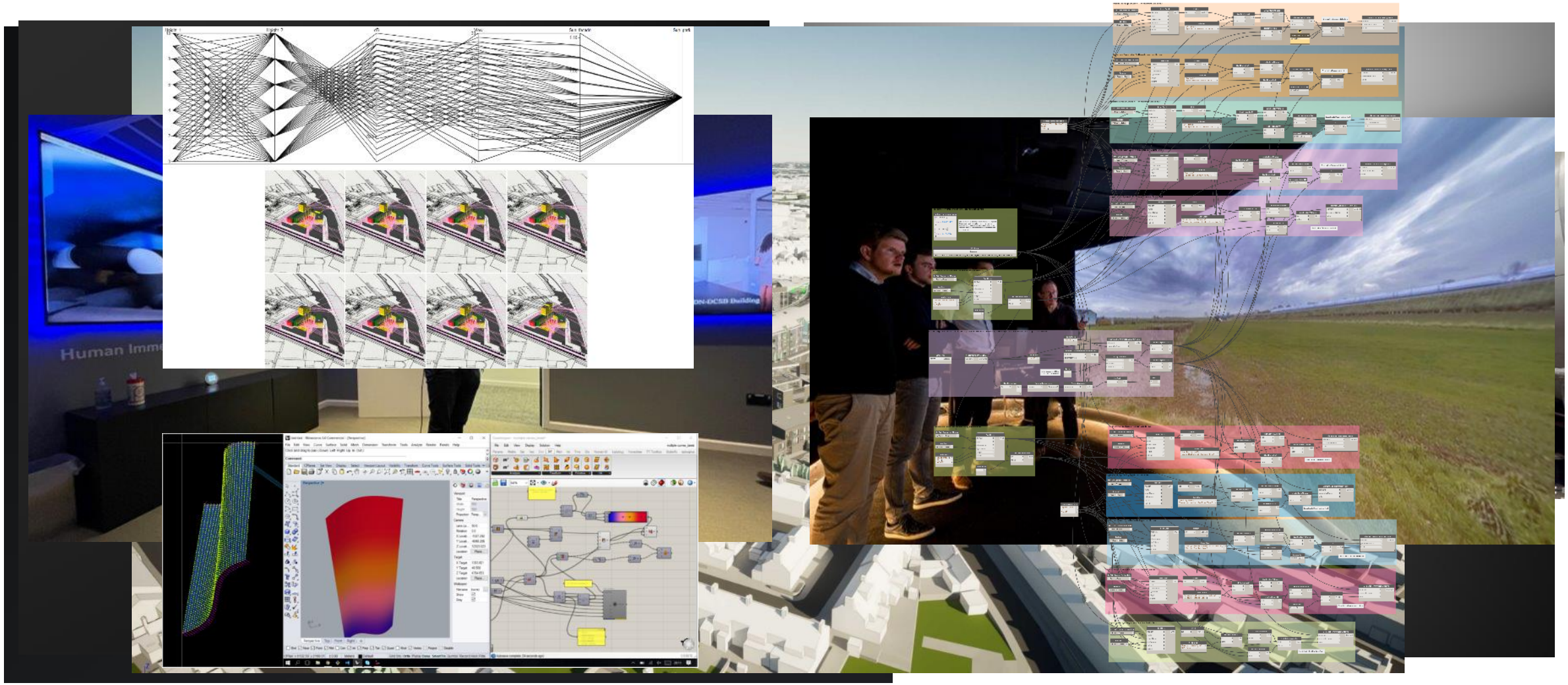
It’s about Time, Cost and Quality

How can we make the best use of BIM in construction



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